

**JP04022370****THROMBUS DISSOLUTIVE THERAPY DEVICE**  
**OLYMPUS OPTICAL CO LTD****Inventor(s): ;FUJIO KOJI ;ISHIHARA KOICHIRO ;UCHIYAMA NAOKI**  
**;SEKINO NAOKI ;TAKAYAMA SHUICHI ;SAITO TATSUYA ;AKUI NOBUAKI**  
**;KUBOTA TATSUYA ;FUSE EIICHI ;HAYASHI MASAACKI**  
**Application No. 02128278 , Filed 19900517 , Published 19920127****Abstract:**

**PURPOSE:** To certainly inject the dissolutive agent only to the part with thrombus and dissolve the thrombus safely and effectively by providing a catheter at its tip with No.1 sensing means, which senses blood stream, and No.2 sensing means which senses whether the tip is in contact with the thrombus from change in the electric or acoustic impedance, and by controlling injection of the dissolutive agent according to the outputs from the two sensing means.

**CONSTITUTION:** When a catheter 2 is inserted into a blood vessel 3, where a thrombus 4 is generated, and the tip of catheter is approached to the thrombus 4, a blood stream sensor 5 of No.1 sensing means allows eventually knowing that the blood stream has stopped or is stagnating seriously because of thrombus 4. An electric impedance sensing member 6 of No.2 sensing means, on the other hand, measures from change in the impedance whether the tip of the catheter 2 is in contact with the thrombus 4. If a signal sensing means 8 confirms that the tip of catheter 2 contacts the thrombus 4 properly due to the No.1, No.2 sensing means, a dissolutive agent-injection means 7 is controlled by a control means 9, and injection of the dissolutive agent is started.

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